


FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 501296.01 (30266/US)		APPLICATION NO. 10/773,583	
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				APPLICANT(S) Douglas A. Larson and Jeffrey J. Cronin			
				FILING DATE February 5, 2004		GROUP ART UNIT 2186	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DD	AA	3,742,253	06/26/73	Kronies	307	247	
	AB	4,831,520	05/16/89	Rubinfeld et al.	364	200	
	AC	5,313,590	05/17/94	Taylor	395	325	
	AD	5,687,325	11/11/97	Chang	395	284	
	AE	6,038,630	03/14/00	Foster et al.	710	132	
	AF	6,067,649	05/23/00	Goodwin	714	718	
	AG	6,487,556 B1	11/26/02	Downs et al.	707	101	
	AH	6,904,556 B2	06/07/05	Walton et al.	714	766	
	AI	6,947,672 B2	09/20/05	Jiang et al.	398	135	
	AJ	2004/0128449 A1	07/01/04	Osborne et al.	711	137	
	AK	2005/0166006 A1	07/28/05	Talbot et al.	711	105	
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
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OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
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EXAMINER 				DATE CONSIDERED 3/7/06			
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FORM PTQ-1449
REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
501296.01 (30266/US)APPLICATION NO.
10/773,583

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Douglas A. Larson and Jeffrey J. Cronin

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	6,910,109 B2	06/21/05	Holman et al.	711	156	
↓	AB	2003/0217223 A1	11/20/03	Nino, Jr. et al.	711	105	
	AC						
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FOREIGN PATENT DOCUMENTS

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	4,608,702	08/26/86	Hirzel et al.	375	110	
	AB	4,891,808	01/02/90	Williams	370	112	
	AC	5,748,616	05/05/98	Riley	370	242	
	AD	6,208,180 B1	03/27/01	Fisch et al.	327	141	
	AE	6,889,304 B2	05/03/05	Perego et al.	711	170	
	AF	2003/0227798 A1	12/11/03	Pax	365	189.12	
	AG						
	AH						
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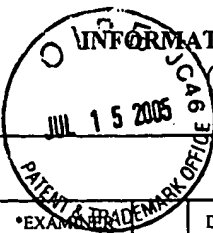
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DD	AA 5,327,553	07/05/94	Jewett et al.	395	575		
	AB 5,706,224	01/06/98	Srinivasan et al.	365	49		
	AC 6,131,149	10/10/00	Lu et al.	711	167		
	AD 6,219,725 B1	04/17/01	Diehl et al.	710	26		
	AE 6,286,083 B1	09/04/01	Chin et al.	711	151		
	AF 6,493,803 B1	12/10/02	Pham et al.	711	147		
	AG 6,564,329 B1	05/13/03	Cheung et al.	713	322		
	AH 6,665,202 B2	12/16/03	Lindahl et al.	365	49		
	AI 6,845,409 B1	01/18/05	Talagala et al.	710	20		
	AJ 2003/0149809 A1	08/07/03	Jensen et al.	710	22		
	AK 2004/0044833 A1	03/04/04	Ryan	711	5		
	AL 2004/0236885 A1	11/25/04	Fredriksson et al.	710	100		
	AM 2005/0044327 A1	02/24/05	Howard et al.	711	147		
	AN						
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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EXAMINER S2				DATE CONSIDERED 3/7/06			
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U.S. PATENT DOCUMENTS							
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DD ↓	AA	4,953,930	09/04/90	Ramsey et al.	350	96.11	
	AB	5,987,196	11/16/99	Noble	385	14	
	AC	6,715,018 B2	03/30/04	Farnworth et al.	710	300	
	AD	6,811,320 B1	11/02/04	Abbott	385	58	
	AE	6,821,029 B1	11/23/04	Grung et al.	385	92	
	AF	2004/0126115 A1	07/01/04	Levy et al.	398	116	
	AG	2004/0144994 A1	07/29/04	Lee et al.	257	200	
	AH						
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FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
DD	AK	2001265539 A	09/28/01	Japan (+ English Abstract)		X	
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OTHER PRIOR ART <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
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EXAMINER <i>22</i>				DATE CONSIDERED <i>3/7/06</i>			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	6,031,241	02/29/00	Silfvast et al.	250	504 R	
	AB	6,076,139	06/13/00	Welker et al.	711	104	
	AC	6,134,624	10/17/00	Burns et al.	710	131	
	AD	2005/0071542 A1	03/31/05	Weber et al.	711	105	
	AE						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DD	AK	WO 02/27499 A2	04/04/02	PCT				
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	4,240,143	12/16/80	Besemer et al.	364	200	
	AB	4,245,306	01/13/81	Besemer et al.	364	200	
	AC	4,253,144	02/24/81	Bellamy et al.	364	200	
	AD	4,253,146	02/24/81	Bellamy et al.	364	200	
	AE	4,724,520	02/09/88	Athanas et al.	364	200	
	AF	4,930,128	05/29/90	Suzuki et al.	371	12	
	AG	5,269,022	12/07/93	Shinjo et al.	395	700	
	AH	5,317,752	05/31/94	Jewett et al.	395	750	
	AI	5,461,627	10/24/95	Rypinski	370	95.2	
	AJ	5,577,220	11/19/96	Combs et al.	395	416	
	AK	5,715,456	02/03/98	Bennett et al.	395	652	
	AL	5,832,250	11/03/98	Whittaker	395	471	
	AM	5,966,724	10/12/99	Ryan	711	105	
	AN	5,978,567	11/02/99	Rebane et al.	395	200.49	
	AO	6,023,726	02/08/00	Saksena	709	219	
	AP	6,098,158	08/01/00	Lay et al.	711	162	
	AQ	6,191,663 B1	02/20/01	Hannah	333	17.3	
	AR	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AS	6,249,802 B1	06/19/01	Richardson et al.	709	200	
	AT	6,405,280 B1	06/11/02	Ryan	711	105	
	AU	6,434,696 B1	08/13/02	Kang	713	2	
	AV	6,438,622 B1	08/20/02	Haghighi et al.	710	1	
	AW	6,449,308 B1	09/10/02	Knight, Jr. et al.	375	212	
	AX	6,453,393 B1	09/17/02	Holman et al.	711	154	

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DD	AY	6,501,471 B1	12/31/02	Venkataraman et al.	345	424	
	AZ	6,594,722 B1	07/15/03	Willke, II et al.	710	313	
	BA	6,598,154 B1	07/22/03	Vaid et al.	712	237	
	BB	6,615,325 B2	09/02/03	Mailloux et al.	711	154	
	BC	6,628,294 B1	09/30/03	Sadowsky et al.	345	568	
	BD	6,658,509 B1	12/02/03	Bonella et al.	710	100	
	BE	6,697,926 B2	02/24/04	Johnson et al.	711	167	
	BF	6,718,440 B2	04/06/04	Maiyuran et al.	711	137	
	BG	6,728,800 B1	04/27/04	Lee et al.	710	54	
	BH	6,735,682 B2	05/11/04	Segelken et al.	711	220	
	BI	6,754,812 B1	06/22/04	Abdallah et al.	712	234	
	BJ	6,760,833 B1	07/06/04	Dowling	712	34	
	BK	6,775,747 B2	08/10/04	Venkatraman	711	137	
	BL	6,789,173 B1	09/07/04	Tanaka et al.	711	147	
	BM	6,792,496 B2	09/14/04	Aboulenein et al.	710	306	
	BN	6,795,899 B2	09/21/04	Dodd et al.	711	137	
	BO	6,799,268 B1	09/28/04	Boggs et al.	712	228	
	BP	6,804,760 B2	10/12/04	Williams	711	170	
	BQ	6,807,630 B2	10/19/04	Lay et al.	713	2	
	BR	6,820,181 B2	11/16/04	Jeddeloh et al.	711	169	
	BS	6,823,023 B1	11/23/04	Hannah	375	296	
	BT	2001/0039612 A1	11/08/01	Lee	713	2	
	BU	2002/0116588 A1	08/22/02	Beckert et al.	711	161	
	BV						

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BW							
	BX							
	BY							
	BZ							
	CA							

OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	CB	Intel, "Flash Memory PCI Add-In Card for Embedded Systems", Application Note AP-758, September, 1997, pp. i-13.
	CC	Shanley, T. et al., "PCI System Architecture", Third Edition, Mindshare, Inc., 1995, pp. 24-25.
	CD	
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DD	AA	4,707,823	11/17/87	Holdren et al.	370	1	
	AB	5,241,506	08/31/93	Motegi et al.	365	210	
	AC	5,243,703	09/07/93	Farmwald et al.	395	325	
	AD	5,319,755	06/07/94	Farmwald et al.	395	325	
	AE	5,355,391	10/11/94	Horowitz et al.	375	36	
	AF	5,432,823	07/11/95	Gasbarro et al.	375	356	
	AG	5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	AH	5,502,621	03/26/96	Schumacher et al.	361	760	
	AI	5,566,325	10/15/96	Bruce, II et al.	395	494	
	AJ	5,581,767	12/03/96	Katsuki et al.	395	800	
	AK	5,606,717	02/25/97	Farmwald et al.	395	856	
	AL	5,638,334	06/10/97	Farmwald et al.	365	230.03	
	AM	5,819,304	10/06/98	Nilsen et al.	711	5	
	AN	5,928,343	07/27/99	Farmwald et al.	710	104	
	AO	5,973,935	10/26/99	Schoenfeld et al.	361	813	
	AP	5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	AQ	6,029,250	02/22/00	Keeth	713	400	
	AR	6,061,296	05/09/00	Ternullo, Jr. et al.	365	233	
	AS	6,125,431	09/26/00	Kobayashi	711	154	
	AT	6,175,571 B1	01/16/01	Haddock et al.	370	423	
	AU	6,185,352 B1	02/06/01	Hurley	385	114	
	AV	6,247,107 B1	06/12/01	Christie	711	216	
	AW	6,294,937 B1	09/25/01	Crafts et al.	327	158	
	AX	6,370,068 B2	04/09/02	Rhee	365	196	

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DD	AY	6,401,213 B1	06/04/02	Jeddeloh	713	401	
	AZ	6,430,696 B1	08/06/02	Keeth	713	503	
	BA	6,434,736 B1	08/13/02	Schaecher et al.	716	17	
	BB	6,479,322 B2	11/12/02	Kawata et al.	438	109	
	BC	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
	BD	6,629,220 B1	09/30/03	Dyer	711	158	
	BE	6,646,929 B1	11/11/03	Moss et al.	365	194	
	BF	6,662,304 B2	12/09/03	Keeth et al.	713	400	
	BG	6,667,895 B2	12/23/03	Jang et al.	365	63	
	BH	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
	BI	6,724,685 B2	04/20/04	Braun et al.	365	233	
	BJ	6,735,679 B1	05/11/04	Herbst et al.	711	167	
	BK	6,745,275 B2	06/01/04	Chang	710	305	
	BL	6,751,703 B2	06/15/04	Chilton	711	113	
	BM	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
	BN	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
	BO	6,792,059 B2	09/14/04	Yuan et al.	375	354	
	BP	6,799,246 B1	09/28/04	Wise et al.	711	117	
	BQ	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
	BR	6,816,947 B1	11/09/04	Huffman	711	151	
	BS	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
	BT	2003/0093630 A1	05/15/03	Richard et al.	711	154	
	BU	2003/0163649 A1	08/28/03	Kapur et al.	711	146	
	BV	2003/0177320 A1	09/18/03	Sah et al.	711	158	

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DD	BW	2003/0193927 A1	10/16/03	Hronik	370	351	
DD	BX	2004/0022094 A1	02/05/04	Radhakrishnan et al.	365	200	
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DD	CD	WO 93/19422	09/30/93	PCT				
DD	CE	EP0849685A2	06/24/98	EP				
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OTHER PRIOR ART *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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EXAMINER 	DATE CONSIDERED 3/7/06
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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
501296.01 (30266/US)APPLICATION NO.
10/773,583

INFORMATION DISCLOSURE STATEMENT

(Include all references if necessary)

APPLICANT(S)

Douglas A. Larson and Jeffrey J. Cronin

FILING DATE

February 5, 2004

GROUP ART UNIT

2186

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	4,045,781	08/30/77	Levy et al.	364	200	
	AB	5,479,370	12/26/95	Furuyama et al.	365	189.12	
	AC	5,729,709	03/17/98	Harness	395	405	
	AD	5,875,454	02/23/99	Craft et al.	711	113	
	AE	6,186,400 B1	02/13/01	Dvorkis et al.	235	462.45	
	AF	6,243,831 B1	06/05/01	Mustafa et al.	714	24	
	AG	6,256,692 B1	07/03/01	Yoda et al.	710	104	
	AH	6,438,668 B1	08/20/02	Esfahani et al.	711	165	
	AI	6,681,292 B2	01/20/04	Creta et al.	711	119	
	AJ						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

DD	AP	"Free On-Line Dictionary of Computing" entry 'Flash Erasable Programmable Read-Only Memory, online May 17, 2004 [http://foldoc.doc.ic.ac.uk/foldoc/foldoc.cgi?flash+memory]						
	AQ							

EXAMINER

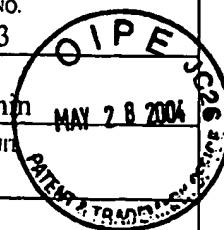
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		FILING DATE February 5, 2004	GROUP ART UNIT 2186


U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA 5,544,319	08/06/96	Acton et al.	395	200.07	
1	AB 5,822,255	10/13/98	Uchida	365	194	
	AC 6,033,951	03/07/00	Chao	438	253	
	AD 6,079,008	06/20/00	Clery, III	712	11	
	AE 6,392,653 B1	05/21/02	Malandain et al.	345	501	
	AF 6,636,110 B1	10/21/03	Ooishi et al.	327	565	
	AG					
	AH					
	AI					
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FOREIGN PATENT DOCUMENTS

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EXAMINER

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APPLICATION NO.

10/773,583

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(Attach separate sheets if necessary)

APPLICANT(S)

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Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	6,462,978 B2	10/08/02	Shibata et al.	365	63	
	AB						
	AC						
	AD						
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	AG						
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FOREIGN PATENT DOCUMENTS

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Douglas A. Larson and Jeffrey J. Cronin

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DD	AA	5,251,303	10/05/93	Fogg, Jr. et al.	395	275	
	AB	5,432,907	07/11/95	Picazo, Jr. et al.	395	200	
	AC	5,442,770	08/15/95	Barratt	395	403	
	AD	5,497,476	03/05/96	Oldfield et al.	395	439	
	AE	5,659,798	08/19/97	Blumrich et al.	395	846	
	AF	5,818,844	10/06/98	Singh et al.	370	463	
	AG	5,875,352	02/23/99	Gentry et al.	395	843	
	AH	6,061,263	05/09/00	Boaz et al.	365	51	
	AI	6,067,262	05/23/00	Irrinki et al.	365	201	
	AJ	6,073,190	06/06/00	Rooney	710	56	
	AK	6,105,075	08/15/00	Ghaffari	710	5	
	AL	6,137,709	10/24/00	Boaz et al.	365	51	
	AM	6,144,587	11/07/00	Yoshida	365	189.05	
	AN	6,167,465	12/26/00	Parvin et al.	710	22	
	AO	6,167,486	12/26/00	Lee et al.	711	120	
	AP	6,201,724 B1	03/13/01	Ishizaki et al.	365	49	
	AQ	6,233,376 B1	05/15/01	Updegrove	385	14	
	AR	6,243,769 B1	06/05/01	Rooney	710	56	
	AS	6,246,618 B1	06/12/01	Yamamoto et al.	365	200	
	AT	6,272,609 B1	08/07/01	Jeddeloh	711	169	
	AU	6,285,349 B1	09/04/01	Smith	345	147	
	AV	6,301,637 B1	10/09/01	Krull et al.	711	112	
	AW	6,327,642 B1	12/04/01	Lee et al.	711	120	
	AX	6,330,205 B2	12/11/01	Shimizu et al.	365	230.06	
	AY	6,347,055 B1	02/12/02	Motomura	365	189.05	

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DD	AZ	6,349,363 B2	02/19/02	Cai et al.	711	129	
	BA	6,356,573 B1	03/12/02	Jonsson et al.	372	46	
	BB	6,367,074 B1	04/02/02	Bates et al.	717	11	
	BC	6,373,777 B1	04/16/02	Suzuki	365	230.03	
	BD	6,381,190 B1	04/30/02	Shinkai	365	230.03	
	BE	6,421,744 B1	07/16/02	Morrison et al.	710	22	
	BF	6,434,639 B1	08/13/02	Haghighi	710	39	
	BG	6,463,059 B1	10/08/02	Movshovich et al.	370	389	
	BH	6,470,422 B2	10/22/02	Cai et al.	711	129	
	BI	6,473,828 B1	10/29/02	Matsui	711	104	
	BJ	6,477,592 B1	11/05/02	Chen et al.	710	52	
	BK	6,477,614 B1	11/05/02	Leddige et al.	711	5	
	BL	6,477,621 B1	11/05/02	Lee et al.	711	120	
	BM	6,496,909 B1	12/17/02	Schimmel	711	163	
	BN	6,505,287 B2	01/07/03	Uematsu	711	170	
	BO	6,539,490 B1	03/25/03	Forbes et al.	713	401	
	BP	6,552,564 B1	04/22/03	Forbes et al.	326	30	
	BQ	6,587,912 B2	07/01/03	Leddige et al.	711	5	
	BR	6,590,816 B2	07/08/03	Perner	365	200	
	BS	6,594,713 B1	07/15/03	Fuoco et al.	710	31	
	BT	6,622,227 B2	09/16/03	Zumkehr et al.	711	167	
	BU	6,631,440 B2	10/07/03	Jenne et al.	711	105	
	BV	6,523,092 B1	02/18/03	Fanning	711	134	
	BW	6,523,093 B1	02/18/03	Bogin et al.	711	137	

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE <small>IF APPROPRIATE</small>	
DD	BX	2002/0112119 A1	08/15/02	Halbert et al.	711	115	
	BY	2002/0144064 A1	10/03/02	Fanning	711	144	
	BZ	2003/0005223 A1	01/02/03	Coulson et al.	711	118	
	CA	2003/0043426 A1	03/06/03	Baker et al.	359	109	
D	CB	2003/0229770 A1	12/11/03	Jeddeloh	711	213	

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
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DD	CG Intel, "Intel 840 Chipset: 82840 Memory Controller Hub (MCH)", Datasheet, October 1999, pp. 1-178.
DD	CH Micron Technology, Inc., "Synchronous DRAM Module 512MB/1GB (x72, ECC) 168-PIN Registered FBGA SDRAM DIMM", Micron Technology, Inc., 2002, pp. 1-23.
	CI
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